2009 LAND & MARITIME SUPPLY CHAINS BUSINESS CONFERENCE & EXHIBITION
17 – 19 August 2009, presented by Deborah Thompson on behalf of the DSCC-VSP Packaging Office, Columbus
• Military Packaging/Preservation & Marking

• MIL-STD-2073(D) (Packaging Codes Standard)

• ASTM D-3951 “Commercial Packaging”

• MIL-STD-129(P)(4) (Marking Standard)
MIL-STD-2073

- Coded Packaging data for items going into the Military distribution cycle

- Information contained on solicitations and awards specifying the packaging coded data required to protect item through life cycle (Section B, on solicitations & awards)

- Determined by item characteristics (fragility factors, destination considerations, etc.)
Example of Requirements

- Quantity Unit Pack (QUP) CODE 001
- Preservation Method CODE 41
- Cleaning and Drying Procedures CODE 1
- Preservative Material CODE 00
- Wrapping Material CODE CA
- Cushioning and Dunnage Material CODE JC
- Cushioning and Dunnage Thickness CODE X
• Unit Container CODE  D3
• Optional Procedure Indicator CODE  O
• Intermediate Container CODE  EC
• Intermediate Container Quantity CODE  024

• FOR DLA STOCK: Pack CODE  U
  (page 175 of standard 2073)
• FOR FMS Shipments: Pack CODE  Q
  (page 173 of standard 2073)
Preservation Methods

• Method 10  Physical protection only
• Method 20  Preservative coating requirement
• Method 30  Waterproof protection
• Method 40  Watervapor proof protection
• Method 50  Watervapor proof with desiccant

• Examples found:
  http://www.dscc.dla.mil/Offices/Packaging/preservation.html
Table J.Ia, SPECIALIZED PRESERVATION CODES (MIL-STD-2073, pages 143-148)

Codes used for packaging procedures that cannot be conveniently or adequately described without amplification of the basic method and material symbols.

“AE” means seal/plug all openings & preserve Method 10

“BL” means seal/plug all openings & preserve Method 20

“GX” means preserve Method 41 with ESD & electromagnetic protection

“HM” means package and mark I/A/W applicable hazmat regulation
ASTM D-3951

- FOR NON-FMS AND NON-STOCK ORDERS FOR CONUS DELIVERY AND OCONUS PRIORITIES 1 THRU 8: MARKED AND PACKAGED STANDARD COMMERCIAL IAW ASTM D 3951 AND BAR CODED IAW AIM BC1.

- Document may be ordered from: http://www.astm.org/DIGITAL_LIBRARY/index.shtml
ASTM D-3951, Continued

- Items Intended for Immediate Use
- Items not for Mission Capable Supply
- Items Intended for Depot Operational Consumption
- Small Parcel Shipments (CONUS), Not for Stock
- Direct Vendor Deliveries (CONUS)
Reports of Discrepancies

Common types of non-compliances:

- Heat treated wood requirements I/A/W DLA contract clause: 52.247-9012 REQUIREMENTS FOR TREATMENT OF WOOD PACKAGING MATERIAL (WPM) (FEB 2007) (P215)
- Marking problems, elements of MIL-STD-129 missing or incorrectly labeled
- Preservation and packing non-conformances
- Listing of all types of discrepancies: http://www.dscc.dla.mil/Offices/Packaging/TypicalPkgDisc.html
QUP vs UNIT OF ISSUE

• Quantity per Unit Pack & Intermediate Pack determination is specified on contract, (and criterion referenced on pages 65-68 in MIL-STD-2073)

• Unit of Issue considerations (example BX, PG, RL, FT, EA, etc.)

• Quantity and Unit of Issue. (5 EA, as an example) A non-definitive unit of issue shall be accompanied by a quantitative expression such as “1 RO (100 FT)”.
Quantity Per Unit Pack

MILITARY PACKAGING QUP & ICQ

• **QUP of ONE:**
  Repairables, Items $50 or more, Method 50 items, irregular, delicate or fragile items, pairs, sets and kits.

• **QUP more than ONE:**
  Formulas based upon item weight, dimensions, cost, and Method of Preservation

• **Intermediate Container Quantity**
  Maximum of 100 unit packs, 40 pounds or 1.5 cubic feet with at least two dimensions not exceeding 16 inches.
MIL-STD-129 Marking

- Page 176 in MIL-STD-2073 complete listing of all Special Marking Codes
- Mandatory for all locations both Conus (Continental United States) and OConus (Outside of Continental United States)
- Including MSL (Military Shipping Label) and RFID requirements
- Latest revision MIL-STD-129(P)(4) P Revision; 4 is change notice
Example of Markings

# 1 - IDENTIFICATION MARKINGS
- NATIONAL STOCK NUMBER
- CAGE CODE
- PART NUMBER
- QUANTITY AND UNIT OF ISSUE
- CONTRACT NUMBER & LOT NUMBER
- MILITARY METHOD & DATE OF UNIT PRESERVATION
- WEIGHT (LBS)
- SERIAL NUMBER(S)

# 2 - 2D (PDF417) Symbol Data with (Data Identifiers)
- NATIONAL STOCK NUMBER (N)
- CONTRACT NUMBER (9K)
- CAGE CODE (17V)
- CONTRACT LINE ITEM NUMBER (4K)
- CONTRACTOR SHIPMENT NUMBER (5K)
- SERIAL NUMBER(S) (S)
- UNIQUE ITEM IDENTIFIER (25S)

# 3 - ADDRESS MARKINGS
MILITARY SHIPMENT LABEL (MSL)

6625-01-248-9073
CAGE 19207
PN 622-7345-002
20 EA
F09603-07-M-0860
M10 – 11/07
WT 55
SERIAL NUMBER
LIST INSIDE

ID DATA
INCLUDES
UII(s)
The recommended size for the MSL is 4 inches by 6 inches.

Required Bar Coding

Code 39 (Linear)
• TCN
• Piece Number
• Ultimate Consignee

DODAAC PDF417 (2D)
• Shipment
• Line Item
• TCMD Data
Questions?

• If there is anything I have not covered in my presentation or something you want further clarification on….

• If not, the link below provides the ICP packaging Points of Contacts and their email address; Columbus is broken down by Federal Stock Class assignments:
  • http://www.dscc.dla.mil/Offices/packaging/DLApoc.html
Resources

• Thomas Register Search
  http://www.thomasnet.com/prodsearch.html?co
v=NA&which=prod&what=Military+Packaging+
houses&navsec=search
• DLA Packaging Website
  http://www.dscc.dla.mil/Offices/packaging/packf
aq.html
• Deborah.D.Thompson@dla.mil Packaging
  Manager
• RFID Supplier Site
• A Supplier Guide that contains information that details requirements for compliance is located at www.dodrfid.org/supplierguide.htm
• (MIL-STD-2073 packaging code interpreter)
  http://www.palm.saic.com/code_lookup.nsf/codecheck
• ANSI Quick Search
  http://assist.daps.dla.mil/quicksearch